Blakely, Sokoloff, Taylor & Zafman LLP

(310) 207-3800

Title: METHOD FOR MANUFATURING CMOS IMAGE SENSOR HAVING MICROLENS THEREIN

WITH HIGH PHOTOSENSITIVITY

1st Named Inventor: Chang-Young JEONG Express Mail No.: EV339910062US Docket No.: 51876P432

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FIG. 1 (PRIOR ART)

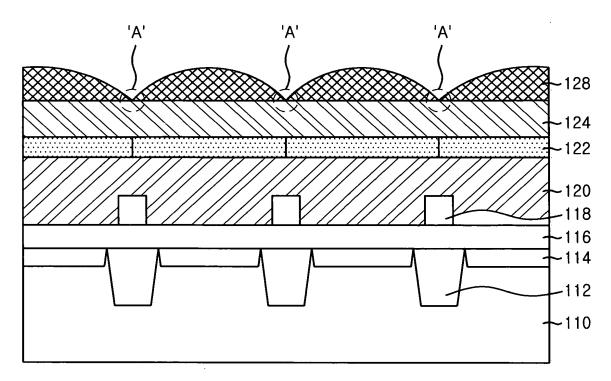
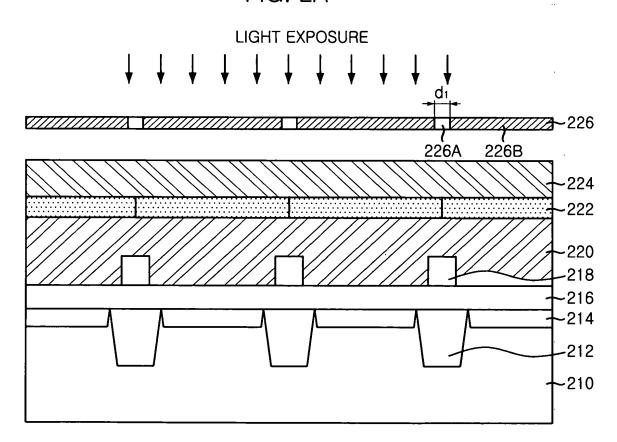


FIG. 2A



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FIG. 2B

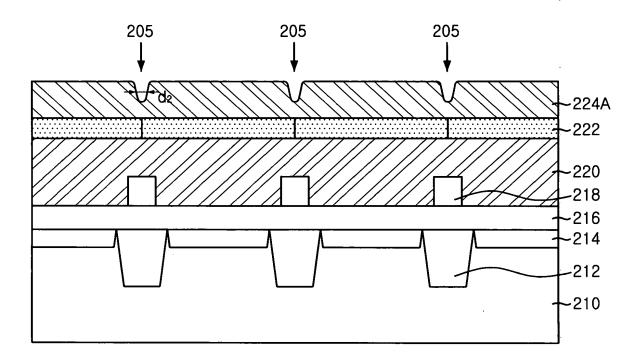
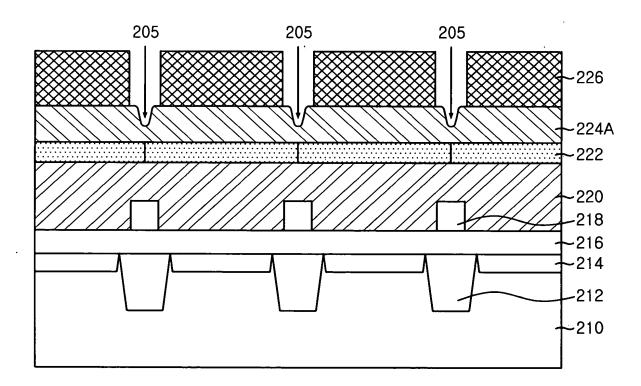


FIG. 2C



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FIG. 2D

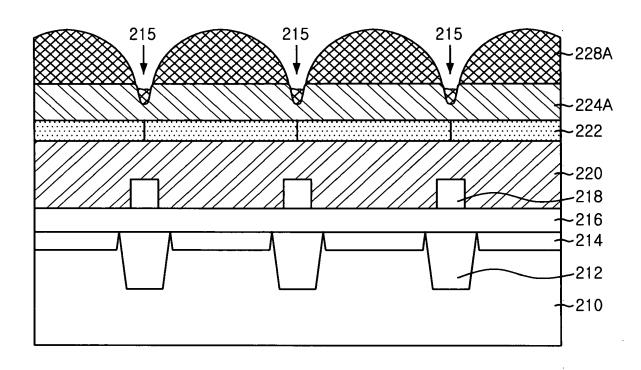
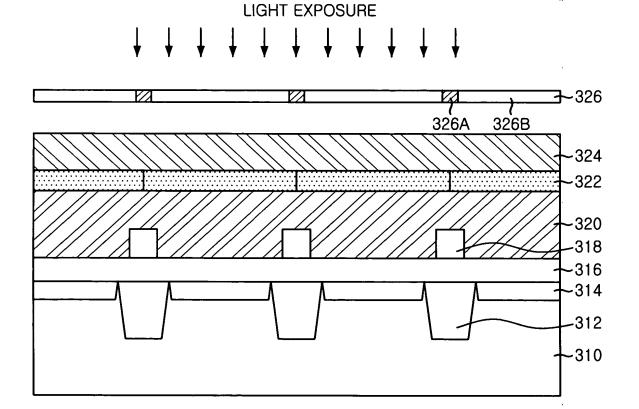


FIG. 3A



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FIG. 3B

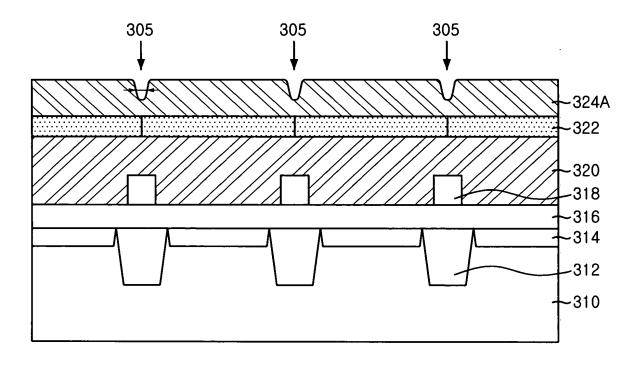
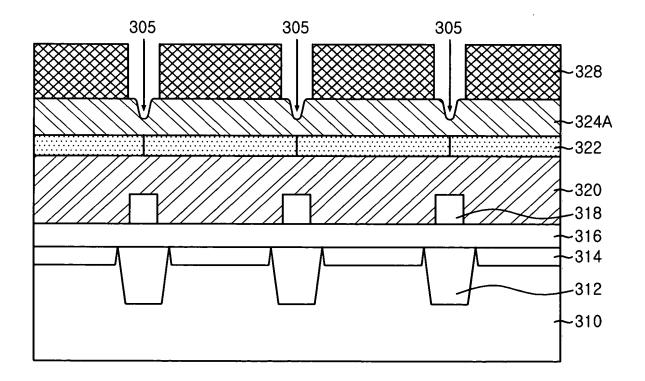


FIG. 3C



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FIG. 3D

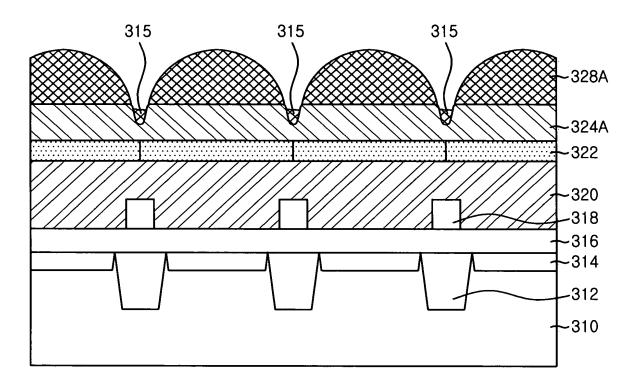


FIG. 4A - INTENSITY 180° 0° 180° 0° ~426 424 -422 -420 -418 -416 -414 -412 -410

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FIG. 4B

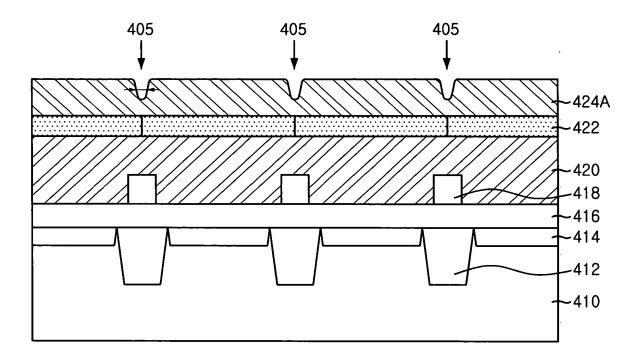
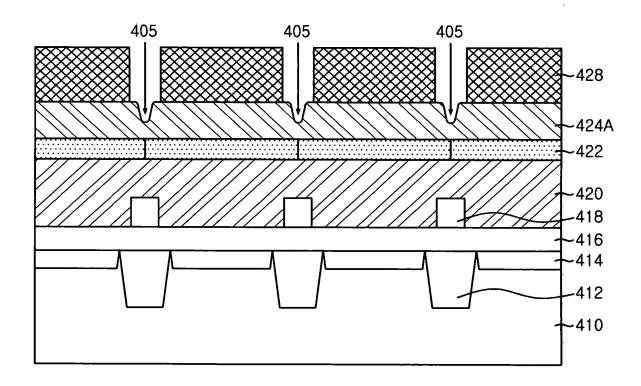


FIG. 4C



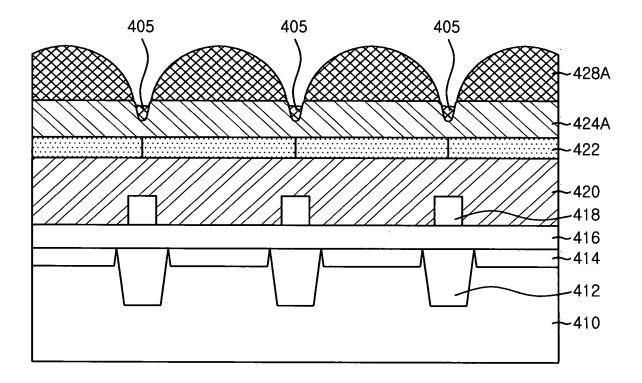
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FIG. 4D



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FIG. 5A

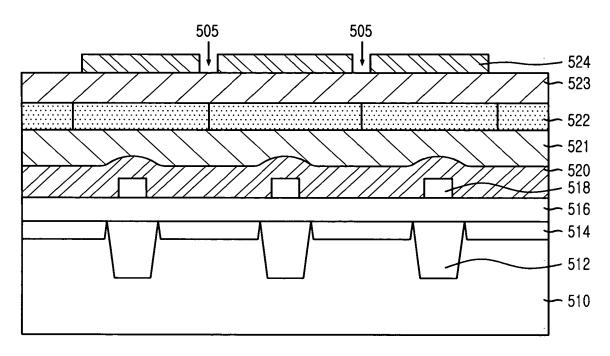
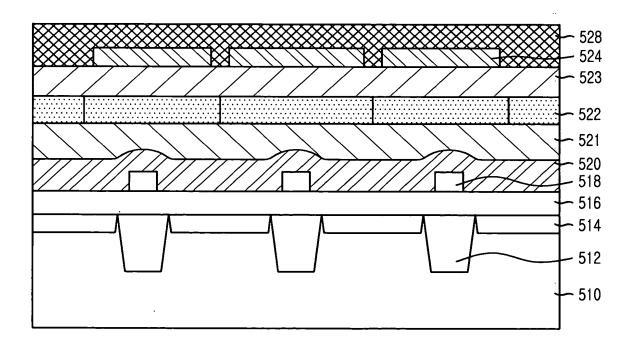


FIG. 5B



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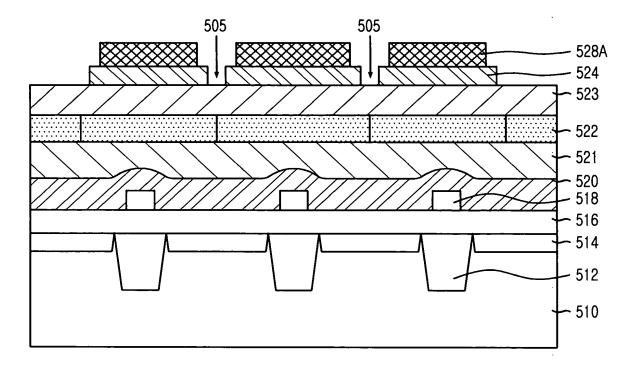
Title: METHOD FOR MANUFATURING CMOS IMAGE SENSOR HAVING MICROLENS

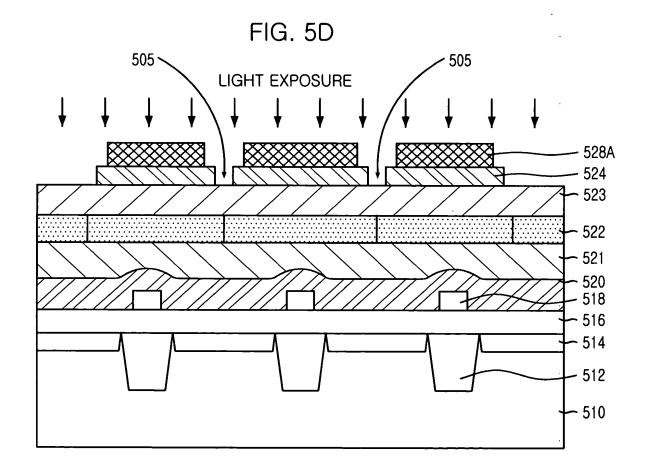
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FIG. 5C





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FIG. 5E

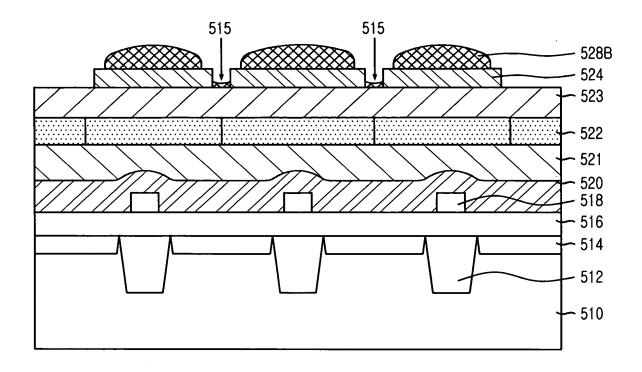


FIG. 6

